

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	19677	solder near2 ball	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 15:42
S4	19053	solder near1 ball	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 15:43
S5	1133	S4 and ((solder near1 ball) WITH melt)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 15:51
S6	48	S5 and ((solder near1 ball) WITH melt).ab.	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 15:53
S7	13	(09/504637   09/753876   09/805366   09/844245   09/845448   10/008447   10/232273   10/248715   10/259482   10/274749   10/291907   10/302271   10/458266   10/537929   10/731436   10/768836   10/788438   10/832845   10/936747   10/990123   11/168549   11/171483).APP.	USPAT; USOCR	OR	ON	2006/09/08 17:06
S8	13	(US-7086147-\$ or US-7004371-\$ or US-6998705-\$ or US-6946329-\$ or US-6832715-\$ or US-6824041-\$ or US-6757968-\$ or US-6723630-\$ or US-6686664-\$ or US-6571469-\$ or US-6560108-\$ or US-6517602-\$ or US-6296173-\$).did.	USPAT	OR	ON	2006/09/08 17:07

## EAST Search History

S9	22	(US-20060094268-\$ or US-20060012037-\$ or US-20050279813-\$ or US-20050258526-\$ or US-20050195527-\$ or US-20050051521-\$ or US-20040201396-\$ or US-20040183094-\$ or US-20040145064-\$ or US-20040099709-\$ or US-20040092056-\$ or US-20040074950-\$ or US-20030214047-\$ or US-20030162379-\$ or US-20030141349-\$ or US-20030102360-\$ or US-20030011998-\$ or US-20020158110-\$ or US-20020051728-\$ or US-20020029905-\$ or US-20010046120-\$ or US-20010000905-\$).did.	US-PGPUB	OR	ON	2006/09/08 17:27
S10	22	S9 not S8	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 17:10
S11	19053	solder near1 ball	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 17:11
S12	1133	S11 and ((solder near1 ball) WITH melt)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 17:28
S13	48	S12 and ((solder near1 ball) WITH melt).ab.	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 17:11
S14	35	S13 not S8	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 17:13
S15	77	S11 and ((solder near1 ball) WITH (core and melt))	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 17:29
S16	75	S15 not S13	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 17:29

## EAST Search History

S17	58	(S16 and @ad<"20030303") or (S16 and @rlad<"20030303")	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 17:34
S18	12	(09/756086   09/777062   09/880733   09/885853   09/942386   09/951046   10/011686   10/064857   10/104108   10/104826   10/145503   10/291019   10/291117   10/327656   10/358810   11/148923).APP.	USPAT; USOCR	OR	ON	2006/09/08 17:35
S19	12	(US-7075183-\$ or US-7067916-\$ or US-6906417-\$ or US-6893952-\$ or US-6799711-\$ or US-6798667-\$ or US-6787921-\$ or US-6781245-\$ or US-6740544-\$ or US-6513236-\$ or US-6507121-\$ or US-6465747-\$).did.	USPAT	OR	ON	2006/09/08 17:35
S20	46	S17 not S19	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 17:54
S21	5	((("6550666") or ("6471115") or ("6330967") or ("6253986") or ("6199741"))).PN.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/09/08 17:58
S22	51	S20 or S21	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 17:59
S23	8	S22 and (copper near3 core)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 18:19
S24	0	S22 and (resin near3 core)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 18:21
S25	18	S22 and (resin WITH core)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 18:30
S26	1	10/788438	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 18:34

## EAST Search History

S27	1	S26 and (dummy near1 pad)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/08 18:34
S28	1	10/788438	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 14:30
S29	1	S28 and (dummy or "43")	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 14:31
S30	1	10/788438	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 15:41
S31	1	S30 and (longitudinal near2 direction)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 15:42
S32	19678	solder near1 ball	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 19:05
S33	1164	S32 and ((solder near1 ball) WITH melt)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 19:05
S34	51	S33 and ((solder near1 ball) WITH melt).ab.	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 19:05
S35	80	S32 and ((solder near1 ball) WITH (core and melt))	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 19:05
S36	77	S35 not S34	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 19:05
S37	59	(S36 and @ad<"20030303") or (S36 and @rlad<"20030303")	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 19:05

## EAST Search History

S38	12	(US-7075183-\$ or US-7067916-\$ or US-6906417-\$ or US-6893952-\$ or US-6799711-\$ or US-6798667-\$ or US-6787921-\$ or US-6781245-\$ or US-6740544-\$ or US-6513236-\$ or US-6507121-\$ or US-6465747-\$).did.	USPAT	OR	ON	2006/11/09 19:05
S39	47	S37 not S38	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 19:05
S40	5	((("6550666") or ("6471115") or ("6330967") or ("6253986") or ("6199741"))).PN.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2006/11/09 19:05
S41	52	S39 or S40	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 19:05
S42	18	S41 and (resin WITH core)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 19:06
S43	4	"6610591"	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 19:07
S44	1	10/788438	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 20:45
S45	1	S44 and (dummy near1 pad)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 20:45
S46	1	S44 and (judge or defective)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 20:46
S47	1	S44 and (judge or testing or defective)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/11/09 20:46